

**SAFETY DATA SHEET**

3DB25P v3.0

en/US

**1. Identification of the substance/mixture and of the company/undertaking**

Corlar® 2.1 ST High Solids Epoxy Mastic

**Product name** Satin Epoxy - Deep Base**Product code** 3DB25P **Formula date:** 2015-07-17**Intended use** Coating for professional use

Axalta Coating Systems, LLC  
 Applied Corporate Center  
 50 Applied Bank Boulevard, Suite 300  
 US Glen Mills, PA 19342

<b>Telephone</b>	Product information	(855) 6-AXALTA
	Medical emergency	(855) 274-5698
	Transportation emergency	(800) 424-9300 (CHEMTREC)

**2. Hazards identification**

This preparation is hazardous per the following GHS criteria

**GHS-Classification**

Flammable liquids	Category 3
Serious eye damage/eye irritation	Category 1
Skin sensitisation	Category 1
Target Organ Systemic Toxicant - Repeated exposure	Category 2

Endpoints which are "not classified", "cannot classified" and "not applicable" are not shown.

**GHS-Labelling**

## Hazard symbols



Signal word: Danger

## Hazard statements

Flammable liquid and vapour.  
 May cause an allergic skin reaction.  
 Causes serious eye damage.  
 May cause damage to organs through prolonged or repeated exposure.

## Precautionary statements

Keep away from heat/sparks/open flames/hot surfaces. - No smoking.  
 Keep container tightly closed.  
 Ground/bond container and receiving equipment.  
 Use explosion-proof electrical/ventilating/lighting equipment.  
 Use only non-sparking tools.  
 Take precautionary measures against static discharge.  
 Do not breathe dust/ fume/ gas/ mist/ vapours/ spray.  
 Contaminated work clothing should not be allowed out of the workplace.  
 Wear protective gloves/protective clothing/eye protection/face protection.  
 IF ON SKIN: Wash with plenty of soap and water.  
 IF ON SKIN (or hair): Remove/ Take off immediately all contaminated clothing. Rinse skin with water/ shower.  
 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

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Immediately call a POISON CENTER or doctor/ physician.  
 Specific treatment (see supplemental first aid instructions on this label).  
 If skin irritation or rash occurs: Get medical advice/ attention.  
 Wash contaminated clothing before reuse.  
 Store in a well-ventilated place. Keep cool.  
 Dispose of contents/container in accordance with local regulations.

**Other hazards which do not result in classification**

Intentional misuse by deliberately concentrating and inhaling the contents may be harmful or fatal.

**The following percentage of the mixture consists of ingredient(s) with unknown acute toxicity:**

0 %

### 3. Composition/information on ingredients

Mixture of synthetic resins, pigments, and solvents

**Components**

CAS-No.	Chemical Name	Concentration
64754-99-0	Amidoamine	15 - 26%
13463-67-7	Titanium dioxide	7.5%
95-63-6	1,2,4-trimethyl benzene	5%
64742-95-6	Aromatic hydrocarbon	4 - 15%
108-67-8	1,3,5-trimethyl benzene	1 - 4%
90-72-2	2,4,6- tri((dimethylamino)methyl) phenol	1 - 4%
14808-60-7	Quartz-crystalline silica	1.4%
98-82-8	Cumene	0.3%

Any concentration shown as a range is to protect confidentiality or is due to batch variation.

Non-regulated ingredients 50 - 60%

OSHA Hazardous: Yes

### 4. First aid measures

**Eye contact**

Remove contact lenses. Irrigate copiously with clean, fresh water for at least 15 minutes, holding the eyelids apart. Seek medical advice.

**Skin contact**

Do NOT use solvents or thinners. Take off all contaminated clothing immediately. Wash skin thoroughly with soap and water or use recognized skin cleanser. If skin irritation persists, call a physician.

**Inhalation**

Avoid inhalation of vapour or mist. Move to fresh air in case of accidental inhalation of vapours. If breathing is irregular or stopped, administer artificial respiration. If unconscious place in recovery position and seek medical advice. If symptoms persist, call a physician.

**Ingestion**

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If swallowed, seek medical advice immediately and show this safety data sheet (SDS) or product label. Do NOT induce vomiting. Keep at rest.

**Most Important Symptoms/effects, acute and delayed****Inhalation**

May cause nose and throat irritation. May cause nervous system depression characterized by the following progressive steps: headache, dizziness, nausea, staggering gait, confusion, unconsciousness. Reports have associated repeated and prolonged overexposure to solvents with permanent brain and nervous system damage.

**Ingestion**

May result in gastrointestinal distress.

**Skin or eye contact**

May cause irritation or burning of the eyes. Repeated or prolonged liquid contact may cause skin irritation with discomfort and dermatitis.

**Indication of Immediate medical attention and special treatment needed if necessary**

No data available on the product. See section 3 and 11 for hazardous ingredients found in the product.

**5. Firefighting measures****Suitable extinguishing media**

Universal aqueous film-forming foam, Carbon dioxide (CO<sub>2</sub>), Dry chemical

**Extinguishing media which shall not be used for safety reasons**

High volume water jet

**Hazardous combustion products**

CO, CO<sub>2</sub>, smoke, and oxides of any heavy metals that are reported in "Composition, Information on Ingredients" section.

**Fire and Explosion Hazards**

Combustible liquid. When heated above the flashpoint, emits vapors which, when mixed with air, will burn if an ignition source is present. Fine mist or sprays could ignite at temperatures below the flashpoint.

**Special Protective Equipment and Fire Fighting Procedures**

Full protective flameproof clothing should be worn as appropriate. Wear self contained breathing apparatus for fire fighting if necessary. In the event of fire, cool tanks with water spray. Do not allow run-off from fire fighting to enter public sewer systems or public waterways.

**6. Accidental release measures****Procedures for cleaning up spills or leaks**

Ventilate area. If heated above the flashpoint, remove sources of ignition. Prevent skin and eye contact and breathing of vapor. Wear a properly fitted air-purifying respirator with organic vapor cartridges (NIOSH approved TC-23C), eye protection, gloves and protective clothing. Confine, remove with inert absorbent, and dispose of properly.

**Environmental precautions**

Do not let product enter drains. Notify the respective authorities in accordance with local law in the case of contamination of rivers, lakes or waste water systems.

**7. Handling and storage****Precautions for safe handling**

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Observe label precautions. Keep away from heat, flame and other sources of ignition. When heated above its flash point, this must be handled as if it were a flammable liquid. Close container after each use. Do not transfer contents to bottles or unlabeled containers. Wash thoroughly after handling and before eating or smoking. If material is a coating: do not sand, flame cut, braze or weld dry coating without a NIOSH approved air purifying respirator with particulate filters or appropriate ventilation, and gloves. Combustible dust clouds may be created where operations produce fine material (dust). Avoid formation of significant deposits of material as they may become airborne and form combustible dust clouds. Build up of fine material should be cleaned using gentle sweeping or vacuuming in accordance with best practices. Cleaning methods (e.g. compressed air) which can generate potentially combustible dust clouds should not be used.

**Advice on protection against fire and explosion**

Solvent vapours are heavier than air and may spread along floors. Vapors may form explosive mixtures with air and will burn when an ignition source is present. Always keep in containers of same material as the original one. Never use pressure to empty container: container is not a pressure vessel. The accumulation of contaminated rags may result in spontaneous combustion. Good housekeeping standards and regular safe removal of waste materials will minimize the risks of spontaneous combustion and other fire hazards.

**Storage****Requirements for storage areas and containers**

Observe label precautions. Store in a dry, well ventilated place away from sources of heat, ignition and direct sunlight. No smoking. Prevent unauthorized access. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

**Advice on common storage**

Store separately from oxidizing agents and strongly alkaline and strongly acidic materials.

OSHA/NFPA Storage Classification: II

## 8. Exposure controls/personal protection

**Engineering controls and work practices**

Provide adequate ventilation. This should be achieved by a good general extraction and -if practically feasible- by the use of a local exhaust ventilation. If these are not sufficient to maintain concentrations of particulates and solvent vapour below the OEL, suitable respiratory protection must be worn.

**National occupational exposure limits**

CAS-No.	Chemical Name	Source	Time	Type	Value	Note
13463-67-7	Titanium dioxide	OSHA	8 hr	TWA	15 mg/m <sup>3</sup>	Total Dust
		Dupont	8 & 12 hour	TWA	10 mg/m <sup>3</sup>	Total Dust
		Dupont	8 & 12 hour	TWA	5 mg/m <sup>3</sup>	Respirable Dust
95-63-6	1,2,4-trimethyl benzene	ACGIH	8 hr	TWA	25 ppm	
		OSHA	8 hr	TWA	25 ppm	
64742-95-6	Aromatic hydrocarbon	Dupont	8 & 12 hour	TWA	50 ppm	
108-67-8	1,3,5-trimethyl benzene	ACGIH	8 hr	TWA	25 ppm	
14808-60-7	Quartz-crystalline silica	OSHA	8 hr	TWA	0.3 mg/m <sup>3</sup>	Total Dust
		OSHA	8 hr	TWA	50 ug/m <sup>3</sup>	Respirable Dust
		Dupont	8 hr	TWA	20 ug/m <sup>3</sup>	Respirable Dust
		Dupont	12 hr	TWA	10 ug/m <sup>3</sup>	Respirable Dust
98-82-8	Cumene	ACGIH	8 hr	TWA	50 ppm	
		OSHA	8 hr	TWA	50 ppm	Skin

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CAS-No.	Chemical Name	Source Time	Type	Value	Note
-	-				
TWA	Time-weighted average.				

**Protective equipment**

Personal protective equipment should be worn to prevent contact with eyes, skin or clothing.

**Respiratory protection****Eye protection**

Desirable in all industrial situations. Goggles are preferred to prevent eye irritation. If safety glasses are substituted, include splash guard or side shields.

**Skin and body protection**

Neoprene gloves and coveralls are recommended.

**Hygiene measures**

Wash skin thoroughly with soap and water or use recognized skin cleanser. Do NOT use solvents or thinners.

**Environmental exposure controls**

Do not let product enter drains.

For ecological information, refer to Ecological Information Section 12.

## 9. Physical and chemical properties

**Appearance**

**Form:** liquid      **Colour:** white      **Odour:** Characteristic Paint Odor

Flash point	122 °F
Lower Explosive Limit	0.9 %
Upper Explosive Limit	6.2 %
Evaporation rate	Slower than Ether
Vapor pressure of principal solvent	0.9 hPa
Water solubility	moderate
Vapor density of principal solvent (Air = 1)	4.1
Approx. Boiling Range	149 °C
Approx. Freezing Range	Not applicable.
Gallon Weight (lbs/gal)	11.47
Specific Gravity	1.37
Percent Volatile By Volume	26.87%
Percent Volatile By Weight	17.08%
Percent Solids By Volume	73.13%
Percent Solids By Weight	82.92%
pH (waterborne systems only)	not applicable
Partition coefficient: n-octanol/water	no data available
Ignition temperature	451 °C
Decomposition temperature	Not applicable.
Viscosity (23 °C)	Not applicable.
VOC* less exempt (lbs/gal)	ISO 2431-1993
VOC* as packaged (lbs/gal)	1.9
VOC* as packaged (lbs/gal)	1.9

\* VOC less exempt (theoretical) and VOC as packaged (theoretical) are based upon the VOC of the packaged material at the point of manufacture.

## 10. Stability and reactivity

**Stability**

Stable

**Conditions to avoid**

Stable under recommended storage and handling conditions (see section 7).

**Materials to avoid**

None reasonably foreseeable.

**Hazardous decomposition products**

When exposed to high temperatures may produce hazardous decomposition products such as carbon monoxide and dioxide, smoke, oxides of nitrogen.

**Hazardous Polymerization**

Will not occur.

**Sensitivity to Static Discharge**

If heated above the flash point, solvent vapors in air may explode if static grounding and bonding is not used during transfer of this product.

**Sensitivity to Mechanical Impact**

None known.

## 11. Toxicological information

**Information on likely routes of exposure****Inhalation**

May cause nose and throat irritation. May cause nervous system depression characterized by the following progressive steps: headache, dizziness, nausea, staggering gait, confusion, unconsciousness. Reports have associated repeated and prolonged overexposure to solvents with permanent brain and nervous system damage.

**Ingestion**

May result in gastrointestinal distress.

**Skin or eye contact**

May cause irritation or burning of the eyes. Repeated or prolonged liquid contact may cause skin irritation with discomfort and dermatitis.

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**Delayed and immediate effects and also chronic effects from short and long term exposure:****Acute oral toxicity**

not hazardous

**Acute dermal toxicity**

not hazardous

**Acute inhalation toxicity**

not hazardous

% of unknown composition: 0 %

**Skin corrosion/irritation**

Not classified according to GHS criteria

**Serious eye damage/eye irritation**

Amidoamine	Category 1
1,2,4-trimethyl benzene	Category 2A
2,4,6- tri((dimethylamino)methyl) phenol	Category 2A

**Respiratory sensitisation**

Not classified according to GHS criteria

**Skin sensitisation**

No data available.

**Germ cell mutagenicity**

Not classified according to GHS criteria

**Carcinogenicity**

Not classified according to GHS criteria

**Toxicity for reproduction**

Not classified according to GHS criteria

**Target Organ Systemic Toxicant - Single exposure**

Not classified according to GHS criteria

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**Target Organ Systemic Toxicant - Repeated exposure**

- **Skin Absorption**

**Central nervous system** 1,2,4-trimethyl benzene

**Aspiration toxicity**

Not classified according to GHS criteria

**Numerical measures of toxicity (acute toxicity estimation (ATE),etc. )**

No information available.

**Symptoms related to the physical, chemical and toxicological characteristics**

Exposure to component solvents vapours concentration in excess of the stated occupational exposure limit may result in adverse health effect such as mucous membrane and respiratory system irritation and adverse effect on kidney, liver and central nervous system. Symptoms and signs include headache, dizziness, fatigue, muscular weakness, drowsiness and in extreme cases, loss of consciousness. Through skin resorption, solvents can cause some of the effects described here. Repeated or prolonged contact with the preparation may cause removal of natural fat from the skin resulting in non-allergic contact dermatitis and absorption through the skin. The liquid splashed in the eyes may cause irritation and reversible damage.

**Whether the hazardous chemical is listed by NTP, IARC or OSHA**

Titanium dioxide	IARC 2B
Quartz-crystalline silica	IARC 1
Cumene	IARC 2B

**12. Ecological information**

There are no data available on the product itself. The product should not be allowed to enter drains or watercourses.

**13. Disposal considerations****Waste Disposal Method**

Do not allow material to contaminate ground water systems. Incinerate or otherwise dispose of waste material in accordance with Federal, State, Provincial, and local requirements. Do not incinerate in closed containers.

**14. Transport information****International transport regulations****IMDG (Sea transport)**

UN number: 1263  
Proper shipping name: PAINT

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Hazard Class: 3  
 Subsidiary Hazard Class: Not applicable.  
 Packing group: III  
 Marine Pollutant: no  
 EmS: F-E,S-E

**ICAO/IATA (Air transport)**

UN number: 1263  
 Proper shipping name: PAINT

Hazard Class: 3  
 Subsidiary Hazard Class: Not applicable.  
 Packing group: III

**DOT**

UN number: 1263  
 Proper shipping name: PAINT

Hazard Class: 3  
 Subsidiary Hazard Class: Not applicable.  
 Packing group: III  
 Marine Pollutant: no

The transport information is for bulk shipments. Exceptions may apply for smaller containers.

**Matters needing attention for transportation**

Confirm that there is no breakage, corrosion, or leakage from the container before shipping. Be sure to prevent damage to cargo by loading so as to avoid falling, dropping, or collapse. Ship in appropriate containers with denotation of the content in accordance with the relevant statutes and rules.

## 15. Regulatory information

**TSCA Status**

In compliance with TSCA Inventory requirements for commercial purposes.

**DSL Status**

All components of the mixture are listed on the DSL.

**Photochemical Reactivity**

Photochemically reactive

**US. California Safe Drinking Water & Toxic Enforcement Act (Proposition 65)**

WARNING: This product contains a chemical known to the State of California to cause cancer.

EPCRA					CERCLA	CAA		
CAS #	Ingredient	302	TPQ	RQ	311/312	313	RQ(lbs)	HAP

## Regulatory information

CAS #	Ingredient	EPCRA					CERCLA RQ(lbs)	CAA HAP
		302	TPQ	RQ	311/312	313		
64754-99-0	Amidoamine	N	NR	NR	A,C,F,N,P,R	N	NR	N
13463-67-7	Titanium dioxide	N	NR	NR	A,C,F,N,P,R	N	NR	N
95-63-6	1,2,4-trimethyl benzene	N	NR	NR	A,C	Y	NR	N
64742-95-6	Aromatic hydrocarbon	N	NR	NR	A,C,F,N,P,R	N	NR	N
108-67-8	1,3,5-trimethyl benzene	N	NR	NR	A,C,F,N,P,R	N	NA	N
90-72-2	2,4,6-tri(dimethylamino)methyl phenol	N	NR	NR	A,C,F,N,P,R	N	NR	N
14808-60-7	Quartz-crystalline silica	N	NR	NR	A,C,F,N,P,R	N	NR	N
98-82-8	Cumene	N	NR	NR	A,C,F	Y	NR	Y

**Key:**

EPCRA	Emergency Planning and Community Right-to-know Act (aka Title III, SARA)
302	Extremely hazardous substances
311/312 Categories	F = Fire Hazard                            A = Acute Hazard R = Reactivity Hazard                    C = Chronic Hazard P = Pressure Related Hazard
313 Information	Section 313 Supplier Notification - The chemicals listed above with a 'Y' in the 313 column are subject to reporting requirements of Section 313 of the Emergency Planning and Community Right-to-Know act of 1986 and of 40 CFR 372.
CERCLA	Comprehensive Emergency Response, Compensation and Liability Act of 1980
HAP	Listed as a Clean Air Act Hazardous Air Pollutant.
TPQ	Threshold Planning Quantity.
RQ	Reportable Quantity
NA	not available
NR	not regulated

## 16. Other information

HMIS rating: H: 3 E: 2 R: 1

## Glossary of Terms

ACGIH	American Conference of Governmental Industrial Hygienists.
IARC	International Agency for Research on Cancer.
NTP	National Toxicology Program.
OEL	Occupational Exposure Limit
OSHA	Occupational Safety and Health Administration.
STEL	Short term exposure limit.
TWA	Time-weighted average.
PNOR	Particles not otherwise regulated.
PNOC	Particles not otherwise classified.

NOTE: The list (above) of glossary terms may be modified.

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Notice from Axalta Coating Systems :

The document reflects information provided to Axalta Coating Systems by its suppliers. Information is accurate to the best of our knowledge and is subject to change as new data is received by Axalta Coating Systems. Persons receiving this information should make their own determination as to its suitability for their purposes prior to use.

The information on this Safety Data Sheet relates only to the specific material designated herein and does not relate to use in combination with any other material or in any process.

SDS prepared by: Axalta Coating Systems Regulatory Affairs

Report version

Version	Changes
3.0	2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16

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